**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Finch Beak Lab**

**Scientific Question:**

How did the finches on each different island come to have different types of beaks?

**Hypothesis:**

**Data:**

Generation 1:

|  |  |  |
| --- | --- | --- |
| Type of beak (tool) | Pieces of food (total) | Birds in next generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Generation 2:

|  |  |  |
| --- | --- | --- |
| Type of beak (tool) | Pieces of food (total) | Birds in next generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Generation 3:

|  |  |  |
| --- | --- | --- |
| Type of beak (tool) | Pieces of food (total) | Birds in next generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Generation 4:

|  |  |  |
| --- | --- | --- |
| Type of beak (tool) | Pieces of food (total) | Birds in next generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Generation 5:

|  |  |  |
| --- | --- | --- |
| Type of beak (tool) | Pieces of food (total) | Birds in next generation |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Class Data after 5 Generations:

|  |  |  |
| --- | --- | --- |
| Island | Food | Tool |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

**Data Analysis:**

1. Create a graph to show how the abundance of each beak type changed over 5 generations. Include a title, axis labels, and a key.
2. Using complete sentences describe how your beak type was most fit for the island you were assigned.
3. Use complete sentences to describe how variations in bird beak types affected survival of the birds. Use the key vocabulary natural selection, adaptation, and variation in your response.

**Conclusion:**

Write a conclusion based on the class data to answer the question: How did the finches on each different island come to have different types of beaks?=